



Missouri S&T Magazine, March-April 1955

Miner Alumni Association

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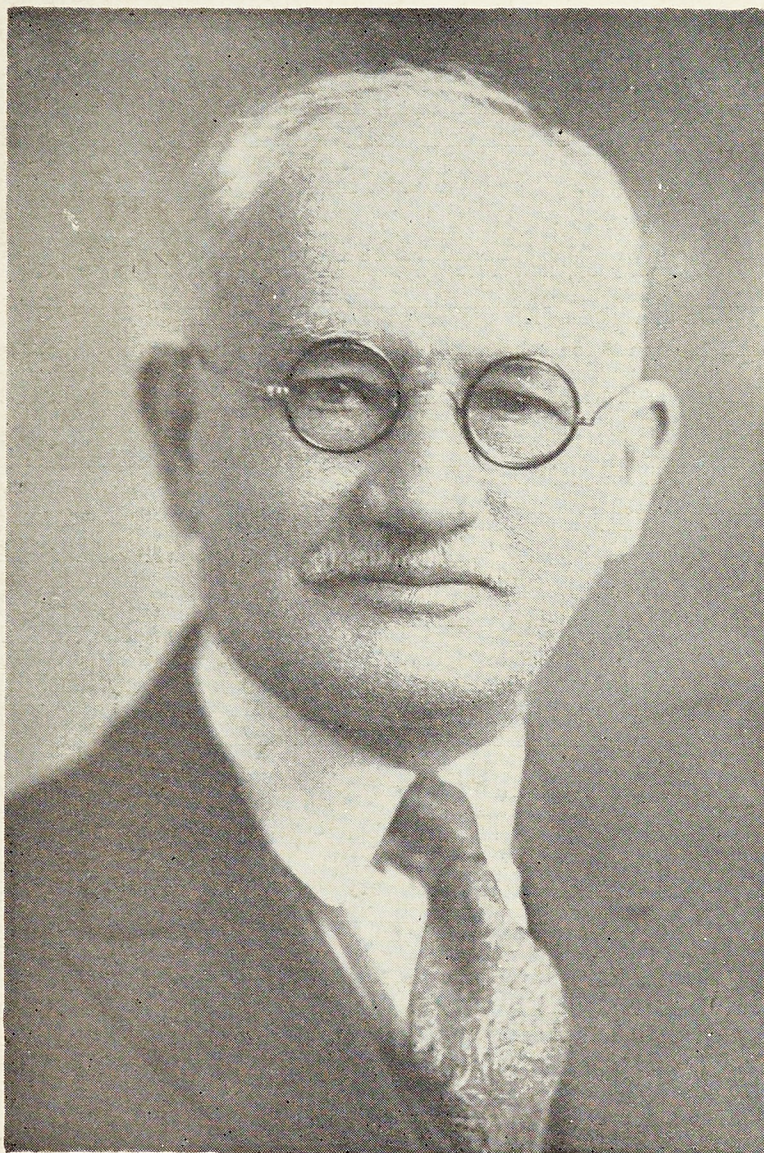
Recommended Citation

Miner Alumni Association, "Missouri S&T Magazine, March-April 1955" (1955). *Missouri S&T Magazine*. 84.
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MSM Alumnus

MISSOURI SCHOOL OF MINES AND METALLURGY
ROLLA, MISSOURI



Lee R. Grabill, '78

At 96, Mr. Grabill of Takoma Park, Md., is the oldest living alumnus of the Missouri School of Mines and Metallurgy. A native of Newton County, Missouri, he remembers vividly the armies of both the North and South during the Civil War. He spent most of his career in Washington, D. C. See story on Page 5.

Volume 29

March-April
1955

Number 2

President's Column

Under the by-laws of your Association the Curricula and Research Committee has the task of appraising at regular intervals the departmental instructional facilities, reporting their findings and recommendations to the Officers of the Association. Your president has interpreted the term "regular intervals" to be sometime during the three-year tenure of office of each alumni administration. The Curricula and Research Committee under the present administration is as follows:

Kenneth O. Hansen '36 - Chairman; Melvin E. Nickel '38; Alfred A. Boyle '25; Carl H. Cotterill '40; C. F. P. Stueck '43; Huga Harrod '29.

This committee, I am sure you will agree, is eminently qualified to render a survey and appraisal of the various departments, and elsewhere in these columns you will find extracts from the first reports received, which cover the Electrical and Ceramics Departments. Great urgency is attached to the completion of the Engineering Laboratories Project.

Governor Donnelly has recommended to the legislature that expenditures for capital improvement be obtained through the issuance of State Bonds. At the present time the future of a bill presented before the legislature to authorize such a bond issue, is in extreme doubt. At this point it might be in order to offer the opinion that a great deal of additional income might be realized by the State of Missouri if all persons who are required to do so would pay their State Income Tax. It is realized, of course, that more personnel would be required by the State to enforce 100% collection, but the added income should make it a most worth-while investment. Such additional funds might then be allocated to the improvement of the various state-owned facilities.

Might I recommend that those, who have not been on the campus for a number of years, come back for Commencement—it is a busy time but next to Homecoming it is a most important alumni occasion.

Sincerely

H. S. Pence '23
President.

MSM Alumni Association

OFFICERS

			Term Exp.
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Vice-Pres. Areas 7, 8, 9	Barney Nuell '21.....	3440 Wilshire Boulevard Los Angeles, California	1956
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Executive Secretary, Editor, "Alumnus"	Francis C. Edwards.....	MSM Alumni Association Old Metallurgy Building Rolla, Missouri	

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M. J. Kelly '14.....	463 West Street	New York 14, New York	1956
J. W. Stephens '47.....		Lee's Summit, Missouri	1956
Rex Williams '31.....	504 East 5th	Rolla, Missouri	1956

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Area No.	Director	State Embraced	Term Exp.
1.....	Enoch Needles '14..... 55 Liberty St., New York, N. Y.	New England, N. Y., N. J., East Pa., Dist of Columbia, Md., Va., Delaware	1955
2.....	Rolla T. Wade '31..... 730 Pierre Mont Rd., Shreveport, La.	S. Ark., N. C., S. C., La., Miss., Ala., Ga., Fla.	1957
3.....	S. Allen Stone '30..... P. O. Box 28, Fort Wayne, Ind.	W. Va., Ohio, W. Pa., Ky., Tenn., Ind., (Except Chicago Industrial Area)	1957
4.....	Melvin E. Nickel '38..... 10601 South Leavitt Ave. Chicago 43, Illinois	N. Ill., Chicago Industrial Area in Indiana, Wisconsin, Michigan, Minnesota	1957
5.....	Paul Dowling '40..... 1400 S. 2nd. St., St. Louis 4, Mo.	S. Ill., E. Mo., N. Ark.	1955
6.....	H. E. Zoller '23..... Central Building, Wichita, Kans.	Iowa, W. Mo., Neb., Kan., Okla.	1956
7.....	S. H. Lloyd '47..... 1900 Mellie Esperson Bldg. Houston, Texas	Texas, Arizona, New Mexico	1955
8.....	William H. Burgin '40..... 516 Acoma St. Denver 4, Colorado	Idaho, Montana, North Dakota, South Dakota, Wyoming, Colorado, Nevada, Utah	1957
9.....	Barney Nuell '21..... 3440 Wilshire Boulevard Los Angeles, California	Washington Oregon, California	1955

Prof. C. J. Millar Dies

Professor C. J. Millar '21, a member of the MSM faculty for many years, died at his home in Rolla, February 24, 1954. He had been in poor health for some time.

Mr. Millar came to Rolla in 1917 as a student at MSM and received his degree in Chemical Engineering in 1921, and his Master's degree in 1923. A department of Biology was established at MSM in 1926 and Professor Millar headed the department, advancing to the rank of Associate Professor.

Survivors include his widow, Mrs. Leola Millar of Rolla; a daughter, Mrs. William Mengel of Jasper, Florida and a son, James Millar of Tulsa, Okla.

Homecoming

Nov. 4-5 1955

WARRENSBURG

vs.

MINERS

Nov. 5

MSM ALUMNUS

Issued bi-monthly in the interest of the graduates and former students of the School of Mines and Metallurgy. Subscription price, \$1.50, included in Alumni Dues. Entered as second-class matter Oct. 27, 1926, at Post Office at Rolla, Mo., under the Act of March 3, 1879.

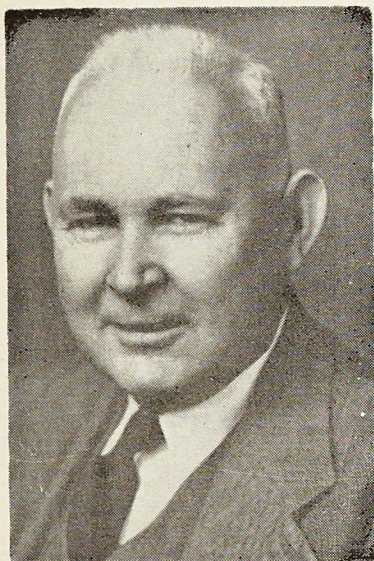
MSM ALUMNUS

Professor Joe Butler Succumbs to Heart Ailment; Had Been on Faculty Since 1920

Professor Joe Beaty Butler, Chairman of the Department of Civil Engineering and one of the nation's best known engineering educators, died at the Normandy Hospital in St. Louis, March 27th. Death was due to a heart ailment and he had been ill only a short time.

Known the nation over in professional and engineering circles, Professor Butler had been a member of the MSM faculty since 1920.

Joe, as everyone affectionately spoke of him, was born in Omega, Oklahoma, May 11, 1895. He attended public schools in Oklahoma, and received his high school and collegiate instruction at Oklahoma State College, Stillwater. He received his bachelor degrees in civil engineering and in education in 1915 and 1924, and his professional civil engineer and master degrees at MSM in 1922 and 1924. During



PROF. J. B. BUTLER

World War I he was commissioned a lieutenant in the U. S. Engineer Corps and served in Europe. On his return, he was married to Miss Jessie Ethel Eyler, on November 23, 1919, who survives him.

Joe became the chairman of the C. E. Department in 1931. This position he held until his death.

Through his membership and work in professional societies such as the

American Society for Engineering Education, American Society of Civil Engineers, National Society of Professional Engineers, the Engineers Club of Kansas City and St. Louis, and others, Professor Butler made a name for himself and a host of friends across the nation.

His great interest in students and student affairs made him and his classes popular on the campus. He not only belonged to his professional societies - he activated them - even created a number, or so helped, such as the Missouri Society of Professional Engineers and its numerous Missouri chapters. He was the first president of MSPE.

He was among the leaders in writing Missouri's engineering-architects law and commission. No engineer has had a greater interest in county and state highway improvement.

Aside from his numerous other duties and interests, Joe found time to write a number of papers on hydraulics and highway planning. His regional and South Missouri county maps have found a wide range of usefulness.

Survivors include his widow, Mrs. Jessie Ethel Butler of the home; a daughter, Mrs. James Snowden of Louisville, Kentucky; a brother, Ray of Yates Center, Kansas, and one sister, Mrs. Madge Waters of St. John, Kansas.

The pallbearers were members of the staff in the C. E. Department.

His record as a steadfast friend, as a teacher, and as a professional engineer attests to the success he gained as an outstanding citizen whose accomplishments will long endure.

Ensign G. W. Greig Killed

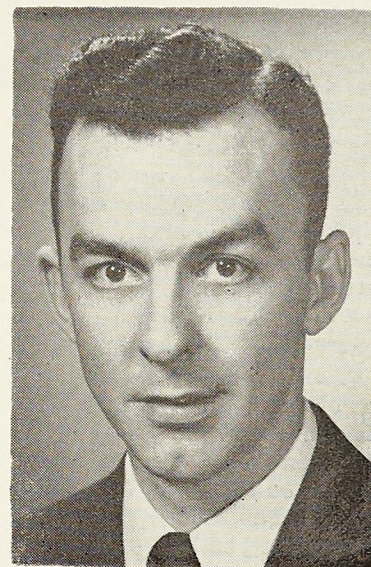
Ensign George H. Greig '51, was one of eleven Navy men who died when their plane crashed in Alaska, February 17. Ensign Greig, a flyer, was one of several who had "hitchhiked" a ride on the plane going from one air base to another.

George is survived by his mother, Mrs. E. L. Greig, of Rolla; his wife, the former Sally Fiebelman of Rolla, and a young son, Douglas. The wife and son were living in Hawaii.

Paul E. Ponder Named Assistant Registrar

Paul E. Ponder, Principal of the Montgomery City, Missouri, High School, has been appointed Assistant Registrar at the School of Mines and Metallurgy, at Rolla, Missouri, effective July 1, 1955.

Ponder is a native of Doniphan, Missouri and is the son of Mr. and Mrs. L. F. Ponder. He is a graduate of Westminster College at Fulton, Missouri, and has a Master's Degree in Education from the Universi-



PAUL E. PONDER

ty of Missouri at Columbia. He is serving his first year as Principal of the Montgomery City High School.

A veteran of two stretches in the Army, Ponder served two years, 1944-46, in the Army in the United States, and was later called back as a member of the National Guard at Fulton, Missouri, and served two more years, 1952-54, in Stuttgart, Germany.

He is married, but has no children. He and his wife, Lorraine, expect to come to Rolla in early spring and make arrangements for a place to live, and will take up residence here at the close of the high school year in Montgomery City.

The title of Noel Hubbard, the Registrar, had been changed to that of "Registrar and Director of Admissions," effective January 1, 1955.

"Work, Smile" Is Motto of Joe Stevens '32, Utah Industrial Executive, Civic Leader

"Joseph E. Stevens . . . Work, Smile", was the by-line of a Business Portrait about Joseph E. Stevens '32, which appeared in the Salt Lake City Tribune, February 20th.

Joe, vice president and general manager of Murray Refractories and Murray, Utah, community leader, has "paddled his own canoe" since he ran away from home at eleven years of age.

Since the day he left Quincy, Missouri, where he was born, March 6, 1909, son of a rural mail carrier, Joe Stevens has been able to look at opposition in life and smile.

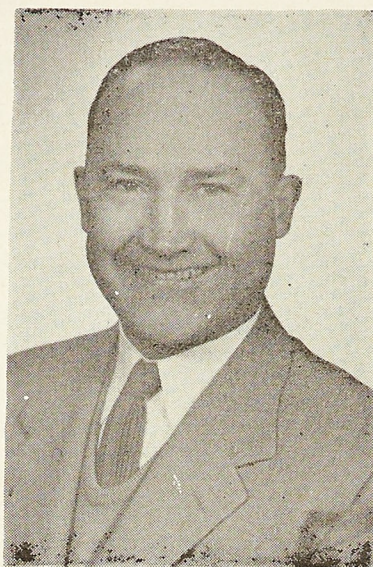
Joe was one of six children. When his parents agreed to disagree, he put his pack on his back and left his childhood behind him. If you are a man of 11, then you must forego the tears of youth. You might as well smile, Joe figured.

The Kansas wheat fields beckoned Joe. He harvested, drove six mule teams on gang plows, worked in the fields from sun up to sun down. Three years later found him punching cattle on a ranch in northwestern Missouri. The owner, Jason Stebbins, told the youth about the co-operative School of the Ozarks near Hollister, Mo., deep in the hill country. Stebbins calculated Joe "could go on down there" and work his way through school. Young Stevens picked up his bundle, containing life savings of \$150, and left for Hollister.

The "runaway" with the irrepressible smile was greeted with warmth at the school, quickly worked his way up to driving and repairing machinery at the institution.

Thanks to the interest of A. P. Green, Mexico, Mo., brick manufacturer—who himself had made his own way—the Hollister educational venture was able to send a few students to Green's clay pits in the summer time.

It was in the pits, around the furnaces and at the machine shops of the big fire clay enterprise that Joe Stevens decided to study ceramic engineering in college.



JOSEPH E. STEVENS

The fatherly Green offered to lend Joe the money to enter MSM. Joe entered school, working his way the year around. He became a member of the Pi Kappa Alpha social fraternity, and was a middle-weight boxer.

He graduated, in 1932, with a degree in ceramic engineering, a commission in the U. S. Army reserves and no job. He went to work running a bull-dozer for the Missouri State Highway Commission and fighting "semi-professionally" in country towns. As the economy revived, he was called to work at Mexico, Mo. In 1934, he was sent to Toronto, Canada, to supervise installation of machinery for a new A. P. Green Co. plant. He returned to Mexico, Mo., in 1935 and later that same year accepted a job as general superintendent for the Emsco Refractories, Los Angeles, Calif.

He participated in expansions of this refractory operation which had two plants in Los Angeles and clay mines near Corona, Calif. Emsco also constructed the Defense Plant Corp. facility at Lehi, Utah in connection with expansion of Geneva Works. When the Lehi venture was assured of orderly completion, Joe re-instated his commission in the combat engineers and entered the Army in 1942.

He could have obtained a permanent deferment during the war by virtue of his position as general superintendent. He ended up in the 106th Infantry Division as a captain and division engineer. He participated in four major campaigns. One of them—at St. Vith, Belgium, in the Battle of the Bulge of 1944—was nearly his last. Stevens was one of 6 out of 36 officers surviving his battalion. The engineers fought as riflemen—along with cooks, postal clerks, and orderly room personnel. After two weeks in the line, Stevens was hit by shrapnel in the side, hospitalized for 30 days, and returned to duty. He is still active in the reserves, serving as a major in a reserve unit at Fort Douglas, Utah.

Mr. Stevens married Mary Margaret McLaughlin, of Providence, R. I., in 1945, after muster from the Army. The couple has a 6-year-old son, Robert Charles Stevens.

Joe Stevens returned to California as general superintendent of the Southgate Plant of Gladding McBeane & Co., which had acquired Emsco during the war.

In 1947, Gladding McBeane joined Utah Fire Clay Co., in formation of Murray Refractories. The West Coast company holds 51 per cent interest in the fire clay and silica brick venture at Murray—spent \$160,000 in renovation of properties formerly owned by Utah Fire Clay.

Under Mr. Stevens' direction, Murray Refractories maintains an active exploration program for fire clay deposits in the inter-mountain west.

Mr. Stevens serves as secretary and treasurer of Western Fire Clay Company, which mines deposits in the Lake Mountain district of Utah. He is a member of the American Ceramic Society and AIME.

To Joe Stevens, it's all a matter of hard work, and the refusal to wipe that smile off his face.

**The Alumni
Fund Needs
Your
Contribution
We're Short 700
Contributors**

MSM ALUMNUS

Lee R. Grabill, Oldest Living Graduate, Recalls Civil War Activities in Southwest Missouri

Lee R. Grabill, '78, the oldest living alumnus of MSM, was born November 15, 1858, in Newtonia, Newton County, Missouri. His father taught in Newton College which was established for the benefit of the settlers of the community. A few years later were turbulent years for that section of the state. Mr. Grabill remembers vividly the armies of both the north and the south forces continually sweeping across the community, and nearby was the scene of the engagement known in history as, "The Battle of Oliver's Prairie".

In 1864, the elder Mr. Grabill sent his family to Pennsylvania as living became so difficult in Missouri. The mother, with her children, returned to Missouri in 1865, and as Mr. Grabill tells it, "they went by train from St. Louis to Rolla, which was the end of the railroad and then by stagecoach and private conveyance to their home".

Mr. Grabill's early education was received from his parents. He did not attend public school until he was nine. A public school was built at Newtonia where he attended until 1875 when his father decided to send him to the Missouri School of Mines, which had just been established as a branch of the university. The course at Rolla consisted of three years of fairly intensive study. There was military drill and the uniforms were of gray trousers and blue coats, thus indicating the union of blue and gray at the end of the Civil War. As a student, he drilled with the company the first two years of the course, finally obtaining the stripes of fourth corporal.

He graduated in June 1878, as a mining engineer. There were four in the graduating class, two of them took the degree of civil engineering, and one other, mining engineering.

His first job as a graduate engineer was in Colorado as a mining engineer and surveyor. He was caught in the thick of a "rush" to Leadville, Colorado, where thousands of people assembled "like the Gold

Rush Days" for lead and silver ore. He engaged in other mining developments in Colorado and New Mexico. Following the mining boom, Mr. Grabill went to Washington, D. C., in 1882, to accept a position as assistant engineer with the U. S. Engineer Corps, War Department, which had charge of the improvement of the Potomac River and nearby rivers in Virginia. At the time of the Spanish-American War he was employed in the construction of fortifications on the Potomac River near Washington, D. C.

In 1899, Mr. Grabill joined the Engineering Department of the District of Columbia where he remained until retirement in 1932.

Mr. Grabill has always taken an active part in the affairs of Takoma Park, Maryland, the community where he has lived since 1902, and at the same address, 16 New York Avenue.

Mr. Grabill states that both he and his wife, who is 85, are feeling the weight of their years but both still love to watch the flowers in their yard bloom in the springtime, and to listen to the birds singing in the big old trees."

Joint Meeting Is Held by Mid-Missouri, Student ASCE

The Mid-Missouri Section and the MSM Student Chapter of American Society of Civil Engineers held a joint meeting on the campus, March 23. Visitors and guests came from Jefferson City and Columbia for the dinner given at the Colonial Village in honor of the speaker of the evening. Later the membership assembled in Harris Hall, on the campus, for the business meeting and to hear, John Soult, President of Fruin-Colnon Contracting Company, St. Louis, Missouri.

Life memberships in the ASCE were awarded to Mr. E. Leigh Brown, a retired civil engineer from Branson, Missouri and to Mr. Henry Beckman, Regional Director of the Water Resources Branch of the USGS, at Rolla.

Dr. Ellis, Acting M. U. Head Since September, Is Named President

DR. ELMER ELLIS, acting president of the University of Missouri since last September, was elected president of the University by the board of curators at a meeting, April 16, in St. Louis.

The post had been vacant since Dr. Frederick A. Middlebush resigned last year, because of ill health.

Dr. Ellis's appointment is effective immediately. He has been a member of the university's faculty since 1930 and has been dean of the college of arts and sciences since 1946. President Ellis was selected from a list of more than 200 candidates compiled and screened by a special five-member committee of the board.

In announcing the election at the board's meeting, James A. Finch, Jr., of Cape Girardeau, president of the curators, said the board had "received much favorable comment" on Dr. Ellis's service as acting president. The two principal factors in the selection, Finch said, were the curators' belief that Dr. Ellis "has the confidence of the faculty of the university," and "his great zeal" in tackling the problems caused by increasing enrollments and in "making and keeping the University of Missouri in the forefront of state universities as it should be."

Dr. Ellis said that "the basic factor which led me to accept the responsibility is a conviction, growing out of my experience this year, that the citizens of the state, especially the students, faculty and alumni, are determined to maintain a great university for the education and service of Missouri."

As is traditional at the university, President Ellis will serve at the pleasure of the curators. The president receives no written contract.

Although the curators are confident that Dr. Ellis will do "an outstanding job," Finch said the new president will need the help of all the citizens of Missouri to meet the school's needs.

Alumni Section Officers

Denver, Colorado Area

Wm. H. Burgin '40, Chairman, 516 Acoma St., Denver, Colo.; Secretary, Mrs. Pauline F. B. Schroeder '50, 7235 West 34th Ave., Denver, Colo.

Salt Lake City, Utah Area

J. E. Stevens '32, Chairman, P.O. Box 338, Murray, Utah; Phillip Boyer '28, Secretary, 1476 Michigan Ave., Salt Lake City, Utah.

Ark-La-Tex Section

Claude N. Valerius '25, Chairman, 443 Gladstone Blvd., Shreveport, La.; Osher Goldsmith '20, Vice-Chairman, 701 South Chilton, Tyler, Texas; Guy Ellison '52, Secretary-Treasurer, 170 Kayla St., Shreveport, La.

St. Louis, Missouri, Area

James B. McGrath '49, President, 5844 Lindenwood, St. Louis, Mo.; Paul B. Prough '33, 1st Vice-President, 8 Finley Road, Kirkwood, Mo.; Raymond T. Ruenheck '50, 2nd Vice-President, 1233 Ashford Drive, St. Louis, Mo.; John R. Post '39, Secretary, 7890 Folk Ave., St. Louis 17, Mo.; Joseph Mooney, ex-'39, Treasurer, 7265 Northmoor Dr., University City 5, Mo.

Schenectady, New York, Area

E. Cecil Hill '49, Chairman, Bldg. No. 24-327, One-River Road, Schenectady 5, N. Y.

Washington, D. C. Area

H. A. Hollingshead '21, President, 902 Potomac Ave. A, No. A-1, Alexandria, Va.; C. H. McDonald '35, Vice-President, 5204 Varnum St., Decatur Heights, Hyattsville, Maryland; Richard Rydstrom '32, Sec'y-Treas., 861 Pinewood Terrace, Falls Church, Va. (Informal meeting 11:30 a.m. every Tuesday for lunch at Ex. Dining Room, 3rd floor Pentagon Bldg. Contact Lt. Col. Stuart Davis '32, Ph. Liberty 5-6700, Ext. 74469 or Col. J. J. Livingston '27, Ext. 74081 for Res.)

Los Angeles, Calif., Area

Barney Nuell '21, Chm., 3440 Wilshire Blvd., Los Angeles, Calif.

San Francisco Bay Area

Robert L. Ray '47, Chm., 1040 Park Lane, Oakland, Calif.; J. E. Bryant '47, Sec'y-Treas., 16022 Via Media, San Lorenzo, Calif.

Kansas City Area

Ray O. Kasten '43, Pres., 4300 Moats Dr., Rte. No. 3, Kansas City, Mo.; Fred H. Hoener '41, Vice-Pres., 3305 W. 71st St., Kansas City, Mo.; Don A. Riley '48, Sec'y-Treas. 3910 Norledge, Kansas City, Mo.

New York Area

James L. Head '16, Chm., Rm. 1726, 25 Broadway, New York, N. Y.

Chicago Area

J. Walter Wallace '48, Chm., 18455 Shedhall Rd., Homewood, Ill.; John C. Ingram '13, Sec'y, 8223 St. Lawrence Ave., Chicago 19, Ill.; John R. Kenney '12, Treas., 2132 No. Halstead St., Chicago, Ill.

Arizona Section

Dan Huffman '22, Chm., 826 E. Belmont Ave., Phoenix, Ariz.; John L. Brixius '47, V-Chm., Rte. No. 1, Box 39P, Globe, Ariz.; E. Rowland Tragitt '23, Sec'y-Treas., 526 E. Cheery Lynn Rd., Phoenix, Ariz.

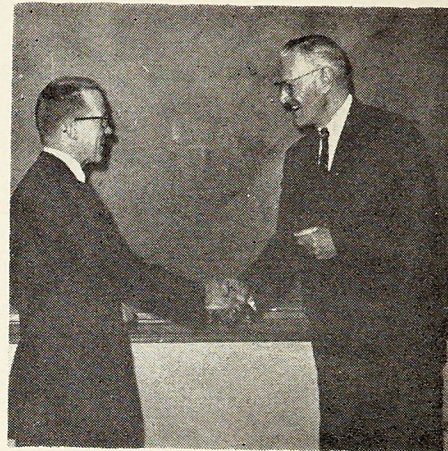
With Army in Japan



Pvt. Harold A. Koelling, '54, is shown checking a card file in Japan, where he is a postal clerk with the 311th Army Postal Unit. Harold entered the Army in June 1954 and completed basic training at Camp Chaffee, Ark.

Bill McMorris Gets Coal Operators' Award

During a joint meeting of the M.S.M. Student Chapter of the A.I.M.E. and the ETA Chapter of Sigma Gamma Epsilon on March 24, Mr. Maurice D. Cooper, Director of the Educational Division of the Bituminous Coal Institute, made a "surprise" presentation of the Old



McMORRIS (LEFT) AND COOPER

Timers award to Bill McMorris, a senior in mining engineering. The much coveted award is presented each year by a group of prominent coal operators to the outstanding senior majoring in coal mining. Bill McMorris was proclaimed to be one of only fifty-two such "watchmen" and, to attest the honors attending, he was given an appropriately engraved Lord Elgin pocket watch. Mr. Cooper, who is well known and much respected on this campus, delivered the evening's address during which he encouraged the assemblage with a timely discussion of the reviving coal industry and, also, of those elements of mining which currently are popular.

Elfred - Schlesinger

Mrs. Julia Baroni Schlesinger and Mr. F. Stillman Elfred '17, were married on December 21, 1954, at the Church of the Epiphany, in New York, New York, and are residing at Sixty Sutton Place South, New York.

Mr. Elfred is Executive Vice-President of the Olin Division, of Olin Mathieson Corporation with headquarters in New York.

St. Pat's Court of Love and Beauty



St. Pat Reigns on MSM Campus Two Gala Days

St. Pat arrived, reigned for two days on the MSM campus, and departed; leaving memories of a festive two days that will not soon be forgotten. The Patron Saint of Engineers entered the scene in his customary manner in time to lead a parade of floats through the streets of Rolla. The floats were entries of various fraternities and organizations and one bearing the St. Pat's Queen of Love and Beauty, Miss Shirley Marie Bruggeman, of Affton, Missouri, and her maids of honor.

The entry of the Tau Kappa Epsilon fraternity was adjudged first prize. "The Horn of Plenty . . . production . . . development . . . research . . .

Twins to the Zumstegs

Mr. and Mrs. Richard E. Zumsteg proudly announce the arrival of twin sons, February 5th. Mrs. Zumsteg is the former Margaret Weibler, of Quincy, Illinois.

Dick is Technical Representative, Explosives Department, E. I. du Pont Co., with offices located in the First National Bank Building, Joplin, Missouri. The resident address is 1921 Murphy Street, Joplin.

education . . . prosperity through engineering", was the theme of the float.

Friday evening the colorful and traditional ceremony, crowning the Queen of Love and Beauty, took place in Jackling gymnasium.

On Saturday night the semi-formal

ball was the final event of the celebration. Music for the dancing was furnished by Russ Morgan and his nationally-famed orchestra.

The simulated St. Pat was a good Irishman, Jim Murphy, from Greenwich, Connecticut, and a member of the St. Pat's Board.

TKE's Prize-Winning Float



Norton Plays Basketball With Army Team in Japan



Cpl. Marion J. Norton, '51, played basketball this past season in Japan on the Camp Zama team. He is a clerk-typist with the information section of the Army Forces Far East headquarters. He entered the army in May 1953 and arrived overseas the following November. Prior to entering service he was a civil engineer for the Carbide and Carbon Chemical Company.

Norwin A. Schmidt Dies

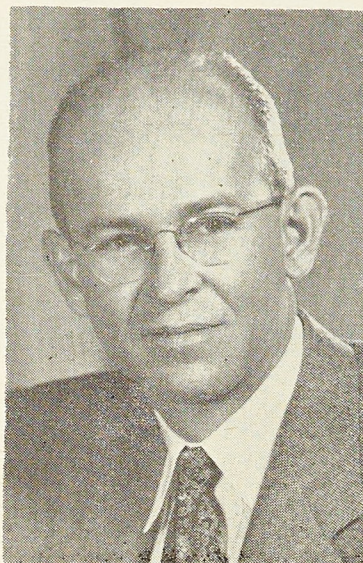
Norwin A. Schmidt '34, chief engineer for the Modern Engineering Co., died Tuesday, January 11th, apparently of a heart attack, at the company offices, in St. Louis, Missouri.

He had been associated with Modern Engineering Co., makers of welding equipment, since his graduation from MSM. He was a member of the Engineers Club of St. Louis and active in Boy Scout affairs.

Surviving are his wife, Mrs. Lou-stell Schmidt and two sons, Gary and Keith, who reside at 5517 Rosa Avenue, St. Louis. The burial was in St. Louis.

Dr. Schuhmann Speaks To MSM Metals Society

Dr. Reinhardt Schuhmann, Jr. '33, Head of the Division of Metallurgical Engineering, at Purdue University, gave the annual American Society for Metals lecture at MSM, March 8th. He addressed both students and faculty members and was a guest



DR. REINHARDT SCHUHMAN, JR.

speaker at a joint meeting of the MSM Chapter of the ASM and the Society of Sigma Xi.

Dr. Schuhmann, a native of Colorado, received his B.S. degree in Metallurgical Engineering from MSM in 1933. He then obtained a M. S. degree from the Montana School of Mines, and the degree of Sc.D. from the Massachusetts Institute of Technology. He continued at M.I.T. as a member of the faculty until 1954 when he was appointed to direct the work in Metallurgical Engineering at Purdue.

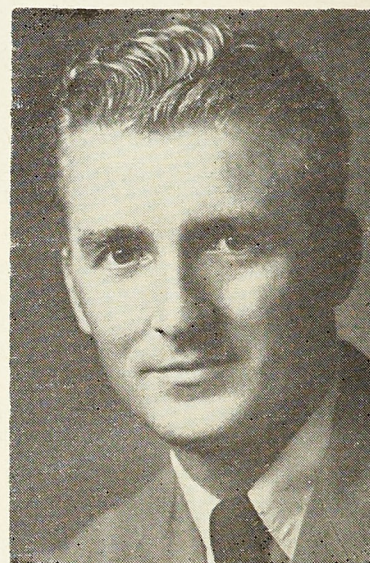
Professor Schuhmann is well known for his writings on mineral dressing, extractive metallurgy, and engineering education; he is the author of a textbook, "Metallurgical Engineering Principles", which is used at MSM.

The ASM lectureship is sponsored by the Educational Foundation of the ASM and provides the means whereby prominent metallurgists can be brought to the campus.

Alvin Knoerr Editor Of Mining Publication

Alvin W. Knoerr '38, has been named editor of Engineering and Mining Journal and E&MJ Metal and Mineral Markets, McGraw-Hill publications.

Mr. Knoerr joined the staff of E&MJ in 1944, and subsequently served as associate editor and managing editor. He received his B. S. in Mining and professional degree of Mining Engineer from MSM. Following field training which included positions of miner, timberman, production engineer and design engineer in mine, mill and metallurgical plants of mining companies in Idaho and Colorado, he was an instructor



ALVIN W. KNOERR

in physics, mathematics and applied mining and metallurgy at Wisconsin Institute of Technology for two years.

Mr. Knoerr has visited mining operations in every mining area in the United States, Canada, Mexico and South America. In recent years he has served as secretary, committeeman and vice-chairman of the New York Section of the AIME.

Corrie - Frazer

Beryl B. Corrie '50 and Mary B. Frazer were united in marriage December 31, 1954. They reside in their new home at 3926 Brave Ave., Bakersfield, California.

Reports on MSM Electrical and Ceramic Engineering Departments Made By Alumni Curricula and Research Committee; Both Need More Space

(These are the first of the reports of the Curricula and Research Committee as provided for in the by-laws of the MSM Alumni Association. — Ed.)

Electrical Department

The following is an extract of a report on the Electrical Engineering Department as compiled by Kenneth O. Hanson '36.

The physical plant and facilities are housed in Norwood Hall, a brick building with wooden floors, 50 years old, and Temporary Buildings, No. 3, 4, and 5, which are wooden structures moved to the campus about eight years ago from Fort Leonard Wood. There have been no major additions or improvements since 1947.

There is a need for sixteen additional classrooms in addition to space for laboratories. This need will be provided in the proposed addition to the Engineering Laboratories Project that is included in the present appropriation request to the state legislature. The limitation of space places a limitation for effective use of present equipment.

The equipment that is needed is in the nature of small items that can be procured over the next several years.

The instructional staff, headed by Professor I. H. Lovett, numbers ten. In the past three years, Dr. John Zaborzsky, professor in the department, has had published a book of 680 pages, entitled, "Electric Power Transmission", and five other papers in professional magazines.

Mr. Hanson was impressed by the "esprit de corps" of the department. He stated that, "Although understaffed, it was an inspiration to behold." He remarked further, "The personalities and capabilities of these men are extremely well suited to their tasks of teaching in the second largest department of MSM."

The enrollment in the EE Department is 17.65 per cent of the enrollment at MSM. The average size of a class is 18 students with a maximum class totaling 49 students. Of the total enrollment, 80% of the students in the department are from Missouri. There are 501 students enrolled in

the EE curriculum. This includes duplications since most EE students take more than one EE course in the 28 classes in subjects in the curriculum.

During the past five years one required subject and nine elective subjects have been added to the curriculum.

Mr. Hanson, in securing the students' viewpoint, found that they were aware of the crowded conditions in the department and the needed additions to the teaching staff.

The students reflect the capabilities of the staff by their many campus activities and achievements, the latest being a national award to the Student Chapter of Eta Kappa Nu, the national Electrical Engineering Association.

In making his recommendations, Mr. Hanson gave two major objectives that should be attained. First, all effort should be expanded to obtain the new laboratory and classroom facilities. Secondly, increase the salary schedule to a level that will cause the present faculty to remain, and to attract the top men in the teaching profession to positions in the department.

Ceramics Department

The following is an extract of a report on the Ceramic Engineering Department as compiled by Hugo L. Harrod '29.

There is an urgent need for additional laboratory space in the top floor on the north end of the laboratory building to augment the present floor space occupied by the department for laboratory, classrooms, storage and office space.

Mr. Harrod stated that consideration should be given for the following additional equipment; a new kiln, an optical goniometer, and over the next two or three years, additional quality control equipment.

There is need for an additional instructor in the department.

Mr. Harrod reported that from his personal observation and reports from industry, the quality of the teaching staff is of the highest order. This is further supported by the type of students produced by the department and their recorded success in industry.

The curricula of other schools were studied and it was found that the MSM Ceramic Department compares favorably or better in all respects. The adequacy of equipment to match curricula requirements is satisfactory, but if the department is to sustain growth and provide for the ever increasing needs of industry in our State, additional equipment must be provided.

In conclusion, Mr. Harrod states, "It is an established fact that the ceramic industries of Missouri, which incidental is a basic industry in our economy, have expanded their manufacturing facilities so tremendously in the past decade that the School of Mines has not been able to supply the demand for ceramic engineers."

More Freshmen Now Than First Semester

An unusual feature of the spring registration at the School of Mines and Metallurgy, is the fact that there are now more freshmen on the campus the second semester than there were during the first semester of this academic year.

A total of 469 freshmen registered the first semester, and there are 479 enrolled for the second semester, the increase being due to a large number of veterans starting their education following their discharge from the service.

At the beginning of the spring semester last year, there were 385 freshmen compared with 479 now; an increase of 24%. Veterans now constitute 25% of the student body.

Many of the veteran enrollees were students with advanced standing and enrolled above the freshman category, with the result that there is a 26% overall increase this semester, compared with the spring semester of 1953-54. Last semester 1102 students were enrolled, and this spring semester the total enrollment has reached 1385.

A total of 70 students completed requirements for their degrees at the end of the semester just closed and left the campus.

Dr. Frizzell Gives Paper At Oil Finders Meet

Dr. Don L. Frizzell, Professor of Geology, at MSM, gave a paper at the New York Oil Finders Convention held March 27 to 31. This was a joint meeting of the American Association of Petroleum Geologists, the Society of Economic Paleontologists and Mineralogists, and the Society of Exploration Geophysicists.

Dr. Frizzell's paper, written in collaboration with Mrs. Frizzell, described the "Micropaleontology of holothurian sclerites," and was presented before a symposium on unusual microfossils sponsored by the SEPM. These minute fossils, from the skin and interior of sea-cucumbers, resemble wheels, anchors, tables, baskets, and other common objects.

A new classification with distinctive Latin names, makes possible the world-wide use of these microfossils in geological correlation and in the interpretation of ancient marine environments.

Graduate Returns \$200 To Scholarship Fund

Fred William Schmitz '45, has submitted to Dean Curtis L. Wilson a check for \$200.00 as a refund of the Lucy Wortham James Scholarship he was granted at the beginning of his sophomore year, in 1943.

Fred was under no obligation to refund the money, but he stated that he wished to return the amount of the scholarship granted to him in order to make available an additional scholarship through the Lucy Wortham James Foundation for another deserving student next fall.

Recently, Fred has been transferred to Sterlington, Louisiana, the newest plant of the Commercial Solvents Corporation. He is in charge of the research laboratory and power plant there.

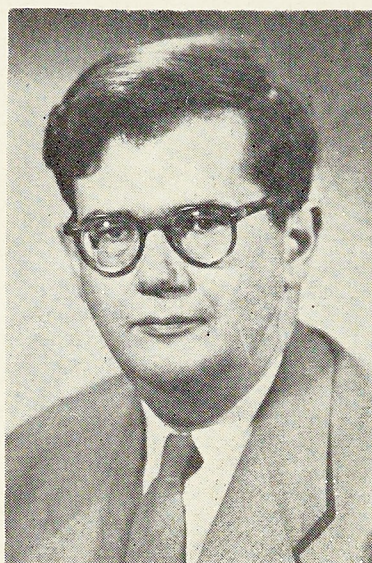
His address is 606 Alexander Street, Monroe, Louisiana.

**Send your check today
to the
Annual Alumni Fund**

Dr. Zaborszky Attends Conference at Lehigh

Dr. John Zaborszky, of the Electrical Engineering Department, MSM, attended a conference at Lehigh University, February 7-9, on Electricity and Magnetism in Engineering Education. This conference was sponsored by the National Science Foundation and the ASEE.

Since one of the most fertile fields of scientific advancement has been that of electrical engineering, with



DR. JOHN ZABORSZKY

its many applications in electronics and instrumentation, the need for engineering curriculum expansion with the inclusion of more material on such subjects as network theory, electromagnetic fields and servomechanisms has arisen. In addition to a study of the above problems, consideration was given in the conference to the need of including in an electrical engineering curriculum such modern physics courses as nuclear engineering and solid state physics.

The steering committee of the conference included: Dean L. V. Bewley of Lehigh U.; Professor A. B. Brownell, Worcester P. I.; Dr. H. E. Hartig, U. of Minnesota; Dr. Geo. H. Hickok, National Science Foundation; Dr. E. L. Kinsey, U. of California; Dr. Hugh Skilling, Stanford U.;

Many MSM Alumni on Staff of Eagle-Picher

MSM alumni have contributed their talents to the success of the Eagle-Picher Company and the following is a list of the alumni who have executive positions in the administration of Eagle-Picher.

Glen J. Christner '22, Vice-President and General Manager of the Insulation Division; Raymond L. Hallows '27, Assistant to the President; Frederick Clearman '30, Manager of the Galena plant; Walter R. Hughes '49, Assistant to the National Sales Manager, Industrial Insulation; Ira L. Perkins '43, Pylon Plant Engineer under the Research Development Section; Chester A. Rachwal '51, Chemist in the Metallurgical Section; B. H. Rucker '30, Engineer in the Research Technical Service Department; Donald J. Doan, Ph.D. '35, Chief of the Metallurgical Section in the Research Department, and Robert E. Illidge '20, Chief Engineer of the Research Department.

Missing in Plane Crash

William A. Kopp '37, is one of four men missing on an airplane flight from Phoenix to Bisbee, Arizona. Bill and three business associates left Phoenix in a privately owned plane to attend a meeting in Bisbee, last January 6th. Presumably the plane crashed in the mountainous and rugged country along the way. The CAP has conducted an extensive search without finding the plane or evidences of the crash.

Mr. Kopp has had his own business as a consulting engineer for about a year.

Mrs. Kopp is residing at 316 West San Juan, in Phoenix, with the four children: Billy and Sandy, ages 10 and 7 years, and Karen and Mary Ann, ages 9 and 4 years.

Dr. J. N. Thurston, Clemson Ag. College, and Dr. J. H. Van Vleck, Harvard U.

Dr. Zaborszky was one of twenty-five leading engineering educators from various schools who were invited to take part in the conference.

Chicago Section Host to MSM Alumni



Luncheon at the Conrad Hilton Hotel



Attendance Exceeds Number Anticipated

The Chicago section was host to MSM alumni at a luncheon held at the Conrad Hilton Hotel, February 15, during the national convention of the AIME. Although there were other meetings that conflicted with the time of the luncheon, the attendance exceeded the number anticipated. The 50 alumni present heard talks by Harry Pence '23, President of the MSM Alumni Association; Mel Nickel '38, Area Director;

Dr. Albert Schlechten, Chairman, Metallurgical Engineering Department, MSM, who served as a representative of Dean Curtis Wilson. Among the alumni that were at the luncheon were: H. G. S. Anderson '09, A. N. Detweiler '10, A. D. Bryant, Ex'10, E. W. Engleman '11, J. R. Kenney '11, R. H. Maveety '12, J. C. Ingram '13, G. F. Metz '14, H. A. Neustaedter '16, E. A. Slover '20, H. H. Hoppock '20, E. S. Wheeler '22,

L. A. Turnbull '22, H. S. Pence '23, M. I. Signer '23, M. P. Weigel '23, A. W. Walker '24, R. O. Day '25, O. D. Neidermeyer '28, B. R. Coil '29, S. A. Stone '30, R. T. Wade '31, J. K. Richardson '32, B. H. Clemmons '32, C. K. Rose '33, G. H. Musson '33, R. T. Chapman '36, M. E. Nickel '38, J. E. Kiser '39, H. C. Miller '39, J. A. Emery '40, C. A. Cotterill '40, R. G. Couch '41, Robert Van Nostrand '42, O. L. Meyer '43,

Chicago Section

(Continued from Page 11)

J. R. Paul '43, LeRoy McKenna '47, G. A. Allison '47, C. B. Gill '47, J. W. Buttrey '48, J. S. Winston '50, R. Ponder '50, Wm. Bucha '50, D. Reeves '50, Keith Wick '51, G. P. Bollwerk, Jr. '51, L. B. Taylor '51 and R. F. Cathcart '51. Others attending from MSM were: Dr. George B. Clark, Chairman Mining Engineering Department; Professor W. A. Vine, Mining Engineering Department; Dr. D. S. Eppelsheimer, Metallurgical Engineering Department; Dr. Adolph Legsdin, Metallurgical Engineering Department, and "Ike" Edwards, Ex. Sec'y MSM Alumni Association.

Needles Talks on Toll Roads at St. Louis

Dr. Enoch R. Needles '14, consulting engineer, of the firm Howard, Needles, Tammen and Bergendoff, was guest speaker at the Engineer's Club of St. Louis, March 10. His topic for discussion was, "Toll Roads".

Dr. Needles has had a long and distinguished career in civil engineering; his career began with the inception of the paving of roads; he has had broad experience with toll roads in various states; thus, he spoke with authority on his subject.

Toll roads is one of the most discussed subjects in connection with highway transportation. The states of Kentucky, Kansas, Illinois, Oklahoma, and Colorado, which are neighboring states to Missouri, have built or have under construction, such roads. Their progress, Dr. Needles stated, is like a chain reaction and the impetus is increasing. As an example, in 1951 there were 360 miles of toll roads in the United States, and today there are in use, under construction or determined as feasible, 3420 miles of toll roads.

A large group from MSM attended the meeting.

Contribute
to the
Annual Alumni Fund.

Colorado Section

The Colorado section has had two gatherings since the last issue of the MSM Alumnus. An alumni luncheon was held during the annual meeting of the Colorado Mining Association, in Denver, February 5th, at the Navarre Cafe. A business meeting convened after the luncheon for the annual election of officers.

Bill Burgin '40, was chosen as chairman of the section and Mrs. Pauline Schroeder '50 was elected secretary.

Alumni who were present were: John Bender '53, Bill Burgin '40, J. E. Couch '25, Avery Drake '50, George Dickinson '37, Leo Foster '04, T. J. Vogenthaler '48, Bill Shepard '51, George Musson '33, Jim Dodge '41, Robert Kaley '37, Matt King '42, Joe Knettle '42, Robert Martin '49, M. I. Signer '23, Virgil

Schroeder '46, Pauline Schroeder '50, Harvey Tedrow '11, Gill Montgomery '35, and Joe Stevens '32.

The second meeting was held to celebrate St. Pat's Day. The group gathered at the Wolhust Club, March 17. The alumni, their wives and guests gave proper recognition to the patron saint of engineers. The alumni present were: Wm. H. Burgin '40, Charles V. Camerson '38, Jerry C. Couch '25, Welby M. King '42, Robert L. Martin '49, Harvey L. Tedrow '11, Virgil Schroeder '46, and Pauline Schroeder '50.

Edward Meeker Has Paper In Ceramics Bulletin

Fifteen years of experience as superintendent of structural clay products plants in Missouri, Kansas, Colorado, and Pennsylvania have made Edward Meeka '30, of Metropolitan Clay, Inc., an authority on brick and tile making.

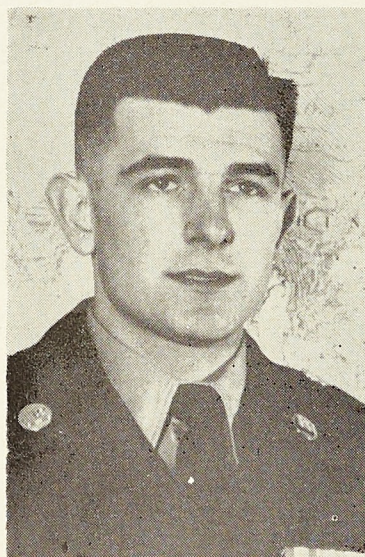
As an author on "The Extrusion Problem", Mr. Meeks passes on to the rest of the ceramic industry some practical suggestions on operating some of the machinery used for converting raw clay into unburned brick. Mr. Meek's paper, which was published in the February, American Ceramic Society Bulletin, discusses the design of extrusion dies and the operation of extrusion machines. An extrusion machine, as the name implies, shapes the clay in much the same way as a column of tooth paste is formed when it is squeezed from the tube. In addition, the extrusion machine handles some of the other processes involved in making raw clay into a smooth square or rectangle column, which is subsequently sliced into brick or building tile. Water is added in the extrusion machine and the clay is chopped and mixed in the auger to give it a more homogeneous consistency.

Edward is now located at the company's plant at East Palestine, Ohio.

Birth

Mr. and Mrs. Horace E. Hay '51, announce the arrival of Horace Kevin Hay, last October 10th. The Hays live at Rt. No. 3, Tamaqua, Pa.

Soldier of the Month



Cpl. Maurice R. Topel '53, was named Soldier Of The Month for the 29th Engineer Base Topographic Battalion at Camp Tokyo, Japan. A section leader in the battalion's 34th Engineer Base Photomapping Company, he was selected for his soldierly appearance, knowledge of duties and military courtesy. Cpl. Topel has been overseas since last April. Prior to entering the army in September 1953, he was a civil engineer for the Illinois Highway Department.

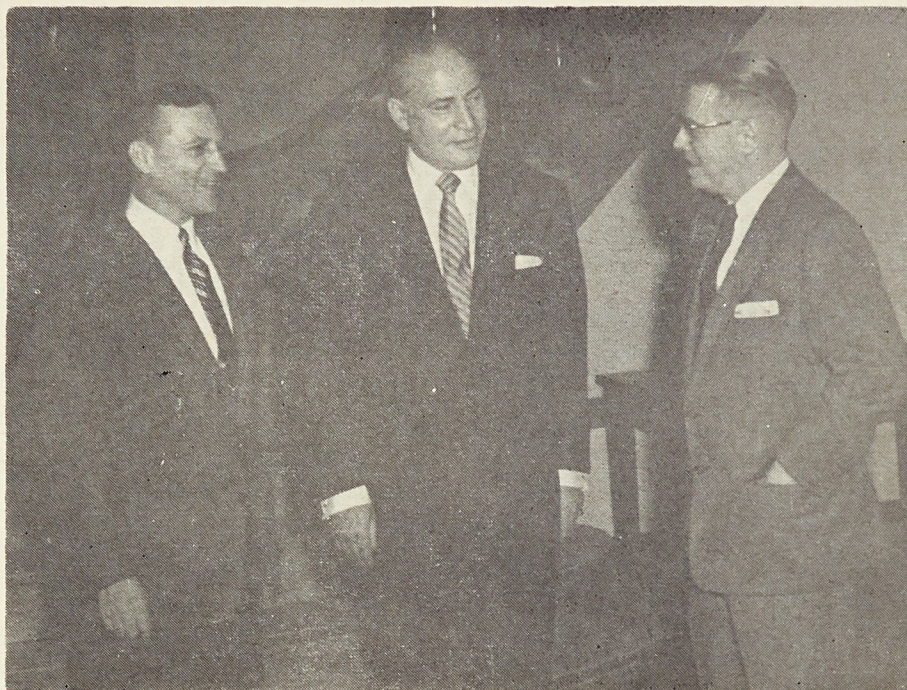
Harry Kessler, '24, Is Convocation Speaker During Engineering Week

Harry Kessler '24, was convocation speaker at MSM, during the celebration of Engineers Week, February 23. He is nationally-known as a metallurgist and a partner in the Sorbo-Mat Process Engineers, St. Louis, Mo. His firm functions as "trouble shooters" for foundries and those in the metallurgical field. The Sorbo-Mat Process is a patented process used by many foundries in the United States, Canada and Mexico. His business requires hundreds of thousands of miles of travel each year.

He is best-known to the sports world as a boxing referee, being the "third man in the ring" in many nationally-televized contests. Dean Wilson in introducing Harry, read an article from the New York Times which gave the many facets of the busy life of this nationally-known personality.

Mr. Kessler spoke to the students and faculty on recent trends and advancements in the field of metallurgy and the new metals that have been contributed to industry.

After a question and answer period, a short time was devoted to remarks about his avocation as a boxing referee.



Kessler with Leon Hershkowitz (left) and Dean Wilson.

BIRTHS

Mr. and Mrs. W. G. Paulsell '50, advise that Beth Ann Paulsell was a recent addition to their family. She was born in January. They reside at 134 No. Patterson St., State College, Pa., where William is a candidate for his Ph.D at Penn. State U.

Mr. and Mrs. Robert L. Klug '49, 115 Calumet Road, Marquette Hgts., Pekin, Ill., write of the arrival of Robert Edward, October 11, 1954.

Mr. and Mrs. Jorge Jackson '48, announce a daughter born November 21, 1954. Jorge is a gas engineer with Shell de Venezuela, Maracaibo, Venezuela. He advises they are coming to the United States soon to spend the next 18 months at different Shell Oil Company installations.

Mr. and Mrs. Stuart Dods '39, 7402 East 57th, Kansas City, Mo., are parents of a fourth son, Bruce Charles Dods, born December 31, 1954.

Commencement Week Program

1955

Baccalaureate Exercises

Sunday, May 29, 8:00 p.m. Parker Hall

ADDRESS

Reverend G. Scott Porter
Pastor
Presbyterian Church
Rolla, Missouri

Commencement Exercises

Monday, May 30, 9:30 p.m. Uptown Theatre

ADDRESS

Mr. F. Stillman Elfred
Executive Vice President
Olin Division of the Olin Mathieson Corporation
New York, New York

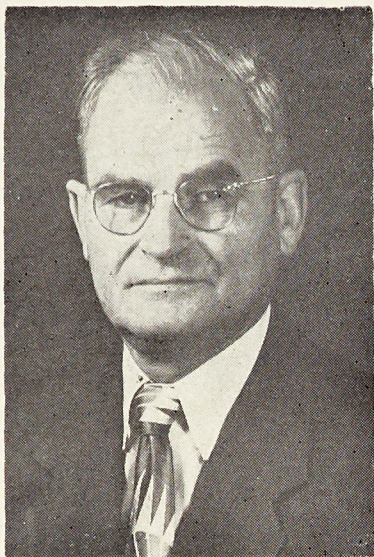
CONFERRING OF DEGREES

Dr. Elmer Ellis
President
University of Missouri

Robert Ahlquist '24, Is EE Head at Detroit U.

In recognition of MSM engineers who have chosen the teaching profession for their career, we wish to salute Professor Robert W. Ahlquist, who received his B. S. in Electrical Engineering degree in 1924.

Professor Ahlquist is a native of Iowa and he came to MSM as a stu-



PROF. R. W. AHLQUIST

dent in 1921. His teaching career began in 1925 as instructor in the Westinghouse Technical Night School, East Pittsburgh, Pennsylvania. In 1926, he became instructor in electrical engineering at the University of Pittsburgh. He later, in 1935, received his Master of Science degree from the institution and was an assistant professor. In 1939 he left the University of Pittsburgh to accept a position as assistant professor of electrical engineering at the State University of Iowa, at Ames. He remained at ISC until 1952 and it was that year that he was elected to a professorship and became the Chairman of the Electrical Engineering Department at the University of Detroit. This is the position he holds at present.

Mr. Ahlquist has written several articles which include two articles that appeared in the General Electric Review. They were, "Marked Oscillograph Tracings", and Symmet-

rical Components". Last year in the Transactions, American Institute of Electrical Engineers, his article on "Equations Depicting the Operation of the D. C. Motor", was published. He is the author of one book, "Electrical Fundamentals, Circuits, and Machines for Engineers". This book was published in 1950.

The Ahlquists have three children. Edward is a graduate of the University of Iowa in 1954. John is a junior in electrical engineering, and Sam, the youngest, is in the sixth grade and a Second Class Boy Scout.

Professor Ahlquist, along with his teaching, has kept abreast with the engineering profession as a consultant, rendering services for Drake University; Brown Engineering Company of Des Moines; Skarshaug Engineering Company; City of Ames, Iowa, and the Ready Power Company, of Detroit, Michigan.

Mr. Ahlquist's hobbies are fishing and gardening. Fishing we assume is not too difficult to find nearby, but the gardening is done at their home, 23100 Geneva, Oak Park, Michigan.

Prof. Carlton Made CE Dept. Chairman

PROF. E. W. CARLTON, of the Civil Engineering Department of the School of Mines and Metallurgy, has been appointed Chairman of the Civil Engineering Department here to succeed Professor J. B. Butler who died recently. The appointment was made by Dr. Elmer Ellis, Acting President of the University of Missouri on the recommendation of Dean Curtis L. Wilson of the School of Mines and Metallurgy.

Professor Carlton is a native of Colorado and a graduate in Mechanical Engineering from the Colorado Agricultural College and in Civil Engineering from Missouri School of Mines and Metallurgy. He has been connected with the School of Mines and Metallurgy since September, 1923.

Professor Carlton has had a wide experience both as a professional engineer and as an educator. He has been active in the various engineering societies with which he has been

Engineers Committee of the National connected. He is Past President of the Missouri Society of Professional Engineers, Chairman of the Young



PROF. E. W. CARLTON

Society of Professional Engineers at this time, and is a member of the Board of Directors of the American Society of Civil Engineers. He has also been active in Rolla community affairs and is now serving as Chairman of the Mayor's Planning Committee for the city of Rolla.

Professor Carlton has carried on extensive research and published numerous papers in the field of highway research and hydraulics.

Poschel - Lundy

Eugene J. Poschel '53 and Jo Anne Lundy were married, November 25, 1954 at Ft. Lawton Beach, Florida. Gene is in the USAF at present but expects to be discharged in August. Mrs. Poschel is a graduate of Florida State University, receiving her B.A. degree in English. Their address is 60 Miramar Homes, Ft. Lawton Beach, Florida.

Fuldner - Weatherhead

Arthur H. Fuldner, Jr., '47 and Miss Eileen M. Weatherhead, of Vancouver, Canada, were married in Carmel, California, December 18, 1954. The newlyweds are residing at 789 10th Ave., San Francisco 18, California. Arthur is Field Application Engineer with the I T E Circuit Breaker Co.

Los Angeles Section

The Los Angeles Section celebrated St. Pat's Day in appropriate style on Saturday, March 19, at the Redwood House. This was one of the most successful affairs the section has ever had, with a record breaking attendance, and everybody in a gay mood as fitted the occasion.

It was particularly gratifying to see the faithful old-timers, such as Herb Soest, ex '06, Scoville Hollister '13, Paul E. Coaske '12 and J. Charles Miller '16, with their wives, along with Eva Greene '11. These loyal "old-timers" are always present and add a great deal to the meetings.

Most of those present were of the middle vintage and it was also particularly gratifying to see a number of newcomers to California who were attending their first MSM alumni section meeting. In this group were: Mr. and Mrs. Phil Bieber '49, Allen V. Doster '26, Fred Underwood and John O. Wilms '43.

Plans were made for a summer and fall meeting and anyone who happens to be in Los Angeles is cordially invited to get in touch with the chairman for the exact date and place of the meetings.

The remainder of those in attendance in addition to those already named were: Mr. and Mrs. Hugh Barclay '37, Mr. and Mrs. Jack Fleischli '43, Mr. and Mrs. W. B. Fletcher '34, Mr. and Mrs. Paul Halasey '28, Mr. and Mrs. Al Henke '47, Mr. and Mrs. Don Huseman '43, Mr. Cal Moeller '44, Mr. and Mrs. Rex Monroe '32, Mr. and Mrs. Barney Nuell '21, Mr. and Mrs. R. K. Rasmussen '43, Mr. and Mrs. Walter Schamel '34, Mr. and Mrs. Ken Scheckler '37, Mr. and Mrs. Jack Stadelhofer '49, Mr. and Mrs. J. B. Terrell, ex '32, and Mr. and Mrs. Tom G. Weir '22.

Ark-La-Tex Section

The Ark-La-Tex section held their annual spring meeting in Hot Springs, Arkansas, March 19th. The group convened at the Park Hotel.

In addition to the annual spring meeting and celebrating St. Pat's Day, they started the ball rolling to

MSM Section News

form an alumni section for alumni in that area and northern Arkansas. A committee was appointed to nominate a panel of officers which will be selected at a future meeting. There were 31 present.

Those present were: Mr. and Mrs. James R. Nevin '42, and Mr. and Mrs. Carlton W. Barrow '36, from Benton, Ark.; Mr. and Mrs. Clyde H. Fink '52, and Owen Thompson '51, from Tyler, Texas; Mr. and Mrs. Paul Timbrook '52, Mr. and Mrs. Fred Scharf '53, and Mr. and Mrs. Albert J. Higgins '50, from Malvern, Ark.; Mr. and Mrs. Gerald A. Roberts '28, from Eldorado, Ark.; Mr. and Mrs. J. C. Salmon, Jr., '21, from Minden, La.; Mr. and Mrs. Ed. C. Farrell '41 and Mr. and Mrs. Dan W. Martin '52, from Hot Springs, Ark.; Mr. and Mrs. Degan Boyd, from Ft. Smith, Ark.; Mr. and Mrs. F. H. Conley '27, Mr. and Mrs. Kevill Crider, ex '28, Mr. and Mrs. Claude Valerius '25, and Mr. and Mrs. T. F. Quinn, ex '07, all from Shreveport, La., and Mr. and Mrs. "Ike" Edwards, from Rolla.

Mr. and Mrs. Ed Farrell were host and hostess to the group and are to be thanked for a very enjoyable evening.

Washington Section

The Washington D. C. Section had a meeting of MSM alumni, March 17 at Naylor's Sea Food Restaurant. The group assembled to pay proper respects to their patron saint, St. Pat.

Schenectady Section

The Schenectady Section gathered on March 14th. They had as their speaker, an alumnus, Joseph W. Rittenhouse '49, who is now with the Hi-Voltage Equipment Co., Cleveland, Ohio. J. J. Raffone '51, explained the G-E Corporate Alumnus Program to the group.

San Francisco Section

The San Francisco Area Section, met on the 24th of March, in a combination spring meeting and St. Pat's celebration.

Arizona Section

The first "official" meeting of the Arizona Section was held March 26, at the Stockyard's Restaurant in Phoenix. It was a delayed celebration honoring St. Pat. Eighteen loyal Knights of St. Pat and their ladies attended. Following the repast a short business meeting was called to order by Chairman Dan Huffman '22, who read excerpts from the News Letter of the alumni president and then expressed the appreciation of the officers for the quality and quantity of the fine gathering.

The secretary, E. R. Tragitt '23, read the minutes of the last meeting; stating the petition to form the Arizona section had been granted; that approximately sixty alumni reside in Arizona and that the Arizona section has had a higher percentage attendance than any other section.

Vice-chairman J. L. Brixius '47, announced the next gathering will be a picnic, probably June 25, in the Globe-Miami area.

J. C. Finagin '14 entertained the group with the showing of colored slides taken by Cy Young '17, of the organization meeting and many beautiful slides of Arizona scenes, flora and fauna.

Those present were: Mr. and Mrs. John L. Brixius '47 and Mr. and Mrs. G. M. Deutman '50, of Globe; Mr. and Mrs. D. H. Collier '48, of Higley; Mr. and Mrs. R. L. (Buck) Montjoy '16, Mr. and Mrs. B. R. Coil '29, and Mr. and Mrs. John E. Gardner '51, of Miami; Mr. and Mrs. J. K. Forman '10, Mr. M. H. Detweiler '11, and Mrs. Morgan, Mr. and Mrs. Ben H. Cody '11, Mr. and Mrs. J. C. Finagin '14, Mr. and Mrs. John T. (Cy) Young '17, Mr. and Mrs. Dan Huffman '22, Mr. and Mrs. E. R. Tragitt '23, Mr. and Mrs. F. E. Drester '43, Mr. and Mrs. Paul Walters '47, Mr. and Mrs. John W. Wright '49, and Mr. and Mrs. R. J. Pennington '50 of Phoenix, and Mr. and Mrs. Harry G. Grigsby '48 of Ray.

1909

H. G. S. Anderson is now at his home in Muskogee, Oklahoma after having spent the summer in Brazil and Peru on professional business. While in Peru, he visited with Hector Boza '11, who is now Vice-President of Peru and is an important factor in running the country's economy.

1912

Robert E. Dye, who suffered a cerebral thrombosis, has retired from active mine management and returned to the United States from Canada. He and Mrs. Dye are re-

siding in San Antonio, Texas. Their mailing address is P.O. Box 1138.

Edward D. Luntun, a retired mining and petroleum consulting engineer, is residing at 422 Beloit Avenue, Berkeley 8, California. He is a proud grandparent of a grandson born January 31, 1955.

1917

George H. Kublin has been promoted to Manager of the Detroit staff in charge of engineering, manufacturing and technical service for overseas operations of General Motors. His business address is 4-235 General Motors Building, Detroit,

and home address is 17340 Wilshire, Detroit 21.

1922

Leon Schumacher has purchased buildings from Dayton Malleable Iron Co., Dayton, Ohio and constructed the finest perlite plant in operation and also has a modern pre-cast slab plant, is making perlite insulated roof slabs. Lane Schumacher, his son, is president of the company. Fred White '22, is the plant manager.

Louis B. Turnbull, mining engineer, U. S. Bureau of Mines, is now engineer in charge of technical operations, Division of Foreign Activities. His headquarters is 2759 Interior Building, Washington, D.C., and he resides at 2910 13th Road South, Arlington, Va.

1923

Harry J. Schiermeyer, 219 McKinley Ave., Edwardsville, Ill., and employed by the Illinois Division of Highways, suffered a heart attack on June 2, 1954, and an infection in the blood stream on Dec. 9, 1954. He is on temporary total disability sick leave from the Division of Highways.

David J. Flesh, P.O. Box 491, Jefferson, Texas, is in his 21st year as an independent consultant, specializing in reconnaissance, supervision, drilling and production operations, as well as reservoir studies, reserves and appraisals, dealing with oil and gas properties.

1926

Harold S. Thomas is engaged in geological engineering research and sedimentation studies for Phillips Petroleum Company, Bartlesville, Oklahoma.

1924

J. E. Jett, formerly vice president in charge of Gulf Coast operations for Geotechnical Corp., is now Geophysical Coordinator for Pure-Sun-Ohio-Seaboard, Gulf of Mexico combine. His address is 408 Sue, Houston, Texas.

Dr. Robert M. Courtney, D.D.S., is an orthodontist in the University Club Bldg., St. Louis, Mo. and lives at Chesterfield, Mo.

1927

Raymond L. Hallows was a campus visitor in March. Ray is Assistant to the President, Eagle-Picher

G. E. to Match Gifts of Employees to Colleges

The General Electric Educational Fund has announced a plan to match an employee's gift to his college, up to \$1,000.00 in one year.

The plan is known as the "Corporate Alumnus Program", and here is how it works:

For every gift made by a G-E employee to a college or university at which he has earned a degree, the Fund will make a gift to the same school. Within limits of the plan, it is the intent to match each employee's contribution, up to \$1,000.00 in one year, on a dollar-for-dollar basis.

The MSM Alumni Association has received several contributions to the Annual Alumni Fund from alumni who are G-E employees. The contributions were accompanied by a G-E Form PRD-57, with the Form "A" portion completed, which permits the School of Mines to receive a like amount from General Electric.

We urge all G-E employed MSM alumni contributing to the Alumni Fund to submit the completed form to permit a like contribution from G. E. to the School of Mines.

Fellowship to Agnew

Lewis E. Agnew '50 has received his second consecutive National Science Foundation Fellowship for graduate work in Physics at the University of California, at Berkeley. Lewis began his graduate work last fall at the university. His present address is 1308 Bonita St., Berkeley, Calif.

McBrian Studies Atomic Powered Locomotive

Ray McBrian '24, engineer of standards and research, of the Denver and Rio Grande Western Railroad, has completed a fifteen-month study of an atomic powered engine which has resulted in the Atomic Energy Commission approving further study of the use of this energy in operating locomotives. The continued study will be in conjunction with the Baldwin-Lima-Hamilton Corporation to determine the economic feasibility of using nuclear-powered reciprocating engines.

Ray also spoke in the interest of atomic energy at a session of the American Railway Engineering Association convention in Chicago, March 15-17. At this meeting he was elected to the office of junior vice president of the association.

DEATHS

Steven Montell Molloy '32, died in a Salt Lake City, Utah hospital, November 23, 1954, of natural causes. He was born at Clarksville, Arkansas, August 23, 1909, and in 1946, he married Helen English, formerly of Rolla. The Molloyes moved to Salt Lake City two years ago where Steven was a metallurgical engineer with the U. S. Bureau of Mines. He is survived by his wife and one son, Steven, Jr. The funeral and interment was at Joplin, Missouri.

Parkway and Walnut, Cincinnati 8, Ohio. His son, Raymond L. Jr., a MSM graduate in 1952, is with the Radio Corporation of America, East Orange, New Jersey.

1928

John P. Harmon has been transferred to Phoenix, Arizona, from the U. S. Bureau of Mines, Central Experiment Station at Pittsburgh, Pa. His work is with and to assist the management in the mineral industry in the control of dust, fumes, and mist of hygienic importance. This service is available to industry upon request. John's address in Phoenix is 140 W. Monroe St.

1930

Eugene Woodman is the author of Bulletin No. 40 of the Waterways Experiment Station, Corps of Engineers, U. S. Army, Vicksburg, Mississippi. The bulletin is entitled, "Pressure Cells For Field Use". Gene is Chief, Instrumentation Branch, Waterways Experiment Station, Vicksburg.

1931

Clyde E. Wilhite is owner and operator of Tarryall River Dude Ranch, Lake George, Colorado.

1933

Henry Hickman, highway engineer with the Bureau of Public Roads, has just moved into his new home at 3914 Churchill Avenue, Baton Rouge, La.

John O. Farmer, Russell, Kansas, is vice-president and general manager of Jones, Shelburne and Farmer, Inc., oil producers and drilling contractors.

Ralph A. Tiemann is with the Plomb Tool Company, Los Angeles, California. This firm is also manufacturing and selling a scintillation counter for use in prospecting for uranium. His address is 1105 Abbot Avenue, San Gabriel, California.

Ellen Woodman Doll spent the first week in March in Rolla visiting with her parents, Dr. and Mrs. L. E. Woodman. Ellen's husband, Wick Doll '33, is with the Water Resources Branch of the USGS, Charleston, West Virginia.

Wm. H. Lenz, a consultant in Metallurgy, is with Permo, Inc., Chicago, Ill. His new address is 1520 South Washington, Parkridge, Ill.

1935

Warren B. Danforth has a new address, Box 5769 Homewood Station, Pittsburgh 8, Pa. George and his brother are in business together, dealing with industrial diamond powders. They reclaim industrial diamonds from mill wastes.

James P. Sloss announces the removal of his offices from 506 Commonwealth Building to 780 Denver Club Building, Denver 2, Colorado.

1937

Wilbern T. Moore has a new mailing address, P. O. Box 351, Alvin, Texas. He is production foreman with Stanolind Oil and Gas Co.

Marshall W. Taylor II, is general manager for West Canadian Petroleum, Ltd. He is located at 709 8th Ave., West, Calgary, Alberta, Canada.

1938

Edward A. Ballman is assistant refinery manager, at the Shellburn refinery, North Burnaby, British Columbia, Canada.

Fred M. Mueller is now employed with Ebasco Services, Inc., 819 East 19th St., Kansas City, Mo. The firm is agent for the K. C. Light & Power Co., on a 5-month, \$5,500,000, 1302 k.v. distribution conversion project. Fred passed his examination in Missouri for Professional Engineer. In 1953, he returned from employment in India and extensive travels in Europe.

1939

Lt. Col. Herbert F. Crecilius is with Hq., Army Forces Far East Chemical Section, APO 343, San Francisco, California. He expects to return to the United States in August.

Thomas L. Harsell, Jr., has the Harsell Engineering Co., 10703-4 They are consultants or general contractors in dust and fume control equipment.

1940

B. H. (Ben) Martin is with Uranium Enterprises, 305 E. Camelback, Phoenix, Arizona. Their residential address is 1324 E. Lemon St., Tempe, Arizona.

George E. Fort is Senior Petroleum

Engineer with Stanolind Oil and Gas Co., in their Central Division Office, Oklahoma City, Okla. George is married and they have two children, Georgiann and William Rowe.

1941

Earl Smoot was on the campus March 9 and 10. Earl addressed the ASME Student Chapter on the evening of the 9th, on the subject of applied mechanics. He is in the Applied Mechanics Department of the Cooper-Bessemer Corp., Mount Vernon, Ohio. His home address is 100 Martinsburg Road, Mount Vernon.

George G. Ambrose is employed with Phillips Petroleum Co., Rocket Fuels Division, McGregor, Texas. His residential address is 2225 North 44th St., Waco, Texas.

Frank H. Mentz is with the Lamp Division, Westinghouse Electric Corp. He has been given a new assignment that places him in charge of all equipment for miniature and photo-flash lamps in the Richmond, Ky.; Reform, Ala.; Little Rock, Ark., plants and part of the Bloomfield, N. J. works. He expects to be transferred to Bloomfield, N. J. soon.

Michael A. Scheriff is superintendent of mill and mines at Demming, N. Mexico, for the General Chemical Division of Allied Chemical and Dye Corp. His address there is P.O. Box 631.

Marvin C. Grisham is works manager of the Boston Plant of United States Gypsum Co. The Grishams' address is Burlington, Mass.

1942

Allen L. Lewis has been promoted to the rank of mechanical engineer in the Maintenance Department of the Engineering Division at the Baytown, Texas, refinery of the Humble Oil and Refining Company.

Ralph H. Brouk, 5908 Scanlan, St. Louis, Mo., is President of Roof Decks, Inc., located at 1501 S. Kingshighway.

Kung Ping Wang, 1511 22nd St. N. W., Washington, D. C. is with the Foreign Activities Division of the U. S. Bureau of Mines.

R. A. Kelly sends in a temporary address, 1105 4th St., New Martinsville, West Virginia. He is superintendent of construction with Monsanto Chemical Co.

1943

William Wilson, Jr., sends in a change of address to 3308 North New England Ave., Chicago 34, Illinois. He is supervisor of metallurgy at the Ekco Products Co.

James G. Henderson, a mining engineer with the U. S. Atomic Energy Commission, who has been on a South American sojourn, has returned to the United States and was married to Miss Edda Landivar, on St. Pat's Day, in New Orleans, La. They are residing at 4878 Montegut Drive, New Orleans 22, Louisiana.

R. Kent Comann is now employed in the technical division, Pabco Products, Inc., Emeryville, California. He is project engineer with Pabco. He is elated over the move from Park Forest, Illinois to California.

John V. Boland, who has the Boland Construction Co., St. Louis, Mo., was on the campus recently. He is in the general construction business but specializes in the sinking of mine shafts. The equipment used will definitely save money over conventional shaft sinking methods.

Jack E. Fleischli recently became a vice president of the Bay City Bearing Co., Long Beach, California. This company is one of the largest bearing and power transmission machinery manufacturers on the West Coast. Jack's address is 134 Nieto Avenue, Long Beach.

1945

Osborne Milton is with the Sandia Corp., as section supervisor. He is engaged in work for the Atomic Energy Commission. His mailing address is 9024 Los Arboles Ave., N.E., Albuquerque, N. M.

1946

Howard M. Fowler is a mining engineer engaged in consulting and exploration work in British Columbia and Alaska. He lives in Vancouver, B. C. at 1840 Robson.

1947

George I. Perryman, Jr. sends in a change of address. He is still with the Creole Petroleum Corp., but is now at Lagunillas, Estado Zulia, Venezuela, S. A.

R. L. Ray has accepted a position with the Pyromet Co. as metallurgical engineer, South San Francisco,

California. His new home address is 1040 Park Lane, Oakland 10, Calif.

1948

Ralford Goren is manager of Copco Steel and Engineering Co., Detroit, Michigan. Ralford, wife Natalie, and two children live at 13302 Talbot, Huntington Woods, Michigan.

Robert E. Held has been appointed Chief, Engineering Branch, Post Engineer, Fort Benjamin Harrison, Indiana. The Helds' address is 7315 East 54th St., Lawrence 26, Ind.

Paul Moore, Jr., has a new address. It is 7025 Claybourne Ave., Youngstown 12, Ohio.

1949

Charles W. Bennett is a sound and projection engineer with the European Motion Picture Service. This is his third year in Germany and expects to be there one more. He is located at Uhländstrasse No. 6, Bad Nauheim, Germany.

Lt. Carl J. Danzer has been discharged from the USAF and his new address is 6027 Eitman Ave., St. Louis 10, Mo.

Fred Springer has been transferred from Beaumont, Texas to Wichita Falls, Texas. His present position is job field gauger with the Magnolia Pipe Line Co. His residence at Wichita Falls is at 1604 Pearl.

Alexander A. Zwierzchowski, after three years of teaching mechanical engineering subjects at the University of Bridgeport, is now a proposition engineer with Babcock and Wilcox, New York, N. Y. His address is 20-58 20th St. Apt. 3A, Long Island City 5, N. Y.

J. S. Hegwer, with The Ohio Oil Co., sends in a change of address to Box 39, Sidney, Nebraska.

Fred M. Cody is now with Barger Engineering, Evansville, Indiana. His address there is 2210 E. Michigan St.

Mrs. Bettijeanne McNeil Birch is moving from Kellogg, Idaho. Her husband Fred has accepted a position with a mining company, mining a small tungsten property at Addy, Washington.

John G. Reilly, Jr. is mill superintendent with St. Joseph Lead Co., Edwards, N. Y. Their third child, Mary, was born in December 1954.

1950

Ben J. Barnett has accepted employment with the Shell Petroleum Company, Wood River, Illinois. His residence address is 2610 McLaran, Jennings 21, Missouri.

Gerald Schnaedelbach is now in the boat manufacturing business. His address is 3515 Flagler, Key West, Florida.

William Weinstein, who is associated with the consulting engineering firm, F. R. Harris, Inc., 27 William St., New York, New York, is temporarily assigned to the firm's Canadian office for six months to prepare a preliminary location and design report for a limited access parkway in the city of Toronto.

Kenneth P. Larkin returned to the U. S. last July after three years service with the Andes Copper Mining Co., of Potrerillos, Chile. He is in the oil business in Wyoming and his address is 1120½ South Wisconsin, Casper, Wyo.

Lloyd A. Smith, Box 371, Bauxite, Arkansas, is employed with the Aluminum Co. of America.

Warren H. Johnson, with the J. E. Merriam & Co., Home Development, is starting on 409 homes at 83rd St. and Dorchester in Chicago and also involved in a 340 duplex project in Robbins, Ill. The address is unchanged, 8838 South Kolin Ave., Oak Lawn, Illinois.

Captain Paul F. Carroll, Qtrs. 411-B, Ft. Belvoir, Va., is presently assigned as Head Water Supply Section, Dep't. Mechanics and Technical Equipment. Captain Carroll returned from Korea in May 1954.

Everett W. Springer sends in his new address as 13108 Spruce, Wyandotte, Michigan. He is a mechanical engineer with U. S. Radiator Corp.

Carleton A. Brown is now plant metallurgist for the Jamestown Division of Plomb Tool Co., (Proto Tools). The Browns reside at 17 Greenhurl Trailer Park, R.D. No. 1, Jamestown, New York.

Eugene W. Warren has become a member of a partnership, The Union Construction Co., with main offices in Houston, Texas. He will be general manager of the concern. His Houston address is P. O. Box 6892.

John W. Knappert has moved to 190 Euclid Avenue, Hamburg, New York. John is assistant master mechanic in the employ of Donner Hanna Coke Corp.

T. D. McDonough has been transferred from the Los Angeles area to the Pittsburgh, Pa., area as sales service engineer for the Parker Rust Proof Co. His home address is 408 South Graham St., Pittsburgh, Pa.

W. D. Humphrey has changed employment. He is now with the Colonial Coal Mining Co., Madisonville, Kentucky, and his address there is 58 South Kentucky.

Gene F. Robinson writes that he has completed his fourth year with Trailmobile, Inc., Springfield, Mo. The Robinsons have four boys, Donny, 7; Larry, 6; Mike, 4; and Steven, 1. Their address is 1637 South Broadway, Springfield.

Earl C. Ralya, with Keokuk Electro-Metals Co., also has a family of four children but they are equally divided, two boys, Tommy and Leland, and two girls, Rita Jean and Tressa Kay. Their residence is at 1619 Franklin, Keokuk.

Anibel Jose' da Silva, who is associated with the Link Aviation Inc., is scheduled to make a tour of the MDAP countries as representative of his company.

Raymond L. Sanders, of Stanolind Oil and Gas Co., has been named senior geophysicist in the company's general office in Tulsa, Oklahoma. His business address is P. O. Box 591, Tulsa, Oklahoma.

Leonard J. West, who is employed with the International Business Machines Corp., has been promoted from ET-TE Sales Representative to ET-TE Manager in Jefferson City, Missouri. He joined IBM in 1950. He has served as an ET Customer Engineer, and joined the sales organization in Jefferson City in 1952. He is a director of the 1954 Hundred Percent Club.

Philip B. Davidson has a change of address to 1611 N. Rockford, Tulsa, Oklahoma. He is employed with the Leland Equipment Co., Tulsa.

James C. Hyde, Jr. is with the McGillivray Construction Co., in Sacramento, California. The Hydes live

at 2529 Midland Way, Carmichael, Calif.

Ivan L. Gray, 42 Cornelia Ave., RFD No. 1, Ballston Lake, New York, is employed by General Electric Co., in their Atomic Power Equipment Division, in Schenectady, N. Y.

Robert I. Patton, Jr., has copy-righted a new concrete block scale to be placed on the market about mid-summer. Bob is now general manager of the Wallis Supply Co., Gainesville, Georgia. Prior to his present position he was city engineer for the city of Gainesville. He is a registered engineer and land surveyor with memberships in the SPE and ASCE, professional organizations and civic memberships in the Lions Club and Elks Club.

1951

Harry Moy is in Okinawa as a U. S. Government employee. He expects to return state-side May 1st.

Clark F. Houghton has been transferred to Decatur, Illinois, as district engineer with the Shell Oil Co. His address there is 441 Melrose Court.

William V. Cummings had an article published in January issue of the "Review of Scientific Instruments", the article entitled "Double Defracting X-ray Spectrometer for Study of Irradiated Materials". Mr. Cummings is employed by General Electric Co., Richland, Washington.

Dr. Robert G. Van Nostrand presented a paper at the recent national convention of AIME, in Chicago, entitled, "Induced Polarization in a High Resistive Region." Dr. Van Nostrand is with the Magnolia Petroleum Co., Dallas, Texas.

Marvin Zeid has changed his ad-

dress to 5616 San Jacinto, Apt. 2E, Houston, Texas.

Edgar M. Lancaster is in the midst of wedding plans. The girl is Miss Donna Scholten, daughter of Mr. and Mrs. A. R. Scholten, Jefferson City, Missouri. The date is May 1, 1955. Their address after the wedding will be 603 1/2 Madison, Jefferson City, Mo.

Richard E. Mansfield has returned to an inactive status after three years as 1st Lt. in the Army. The three years were spent at White Sands Proving Grounds participating in the development of "Nike" missile. His address now is 8949 Mt. Etna, El Paso, Texas.

1952

Lt. j.g. Robert A. (Bob) Dye, who entered service immediately after graduation, will complete his tour of duty with the Navy in September this year. His address is VS 24 c/o Fleet Post Office, New York, N. Y.

Warren V. DeMier is in the U. S. Army stationed at Landstuhl, Germany and is assigned as a laboratory technician. His address is USA REUR Medical Laboratory, APO 180, c/o Postmaster, New York, N. Y.

Robert F. Uthoff, who is employed with the Illinois Division of Highways, has a change of address to, 2037 Hood Street, Springfield, Ill.

Roy W. Nutter, RFD No. 2, Putnam, Connecticut has just been released from service.

E. George Stevens is employed as a research associate working on a ceramic research project sponsored by the U. S. Air Force and he is also working on his M.S. degree at Ohio State University. His mailing address is 196 East 15th Avenue, Columbus, Ohio.

HELP US KEEP YOUR ADDRESS CURRENT

If your address has changed, complete and tear out this slip and mail it immediately to MSM Alumni Association, Rolla, Mo. Thanks.

Name

My new address is

Michael DeLucca, Jr., 219 Washington Ave., Newtown, Pa., is now a project metallurgist in the sheet mill at the Fairless Works.

Robert E. Flore is with Thos. G. Oyster & Associates, designing subdivisions in Maryland suburbs of Washington, D. C. He is residing at 2628 Tunlaw Road, N.W., Washington 7, D.C.

Byron L. Keil is a production engineer for Cities Service Oil Co., in their West Texas District. His address is 1000 West 12th, Odessa, Texas.

A. H. Welke informs us that he was married January 19, 1955. No further particulars. He is a petroleum engineer with The California Co., Vernal, Utah. Mail will reach him at P.O. Box 455, Vernal.

Paul L. Hausmann is in the U. S. Army stationed at Camp Chaffee, Arkansas. He is serving as instructor in the Clerk Typist School. His military address is Co. "B", 85th Recon. Bn., 5th Armd. Div., Camp Chaffee.

John G. Macke, 1st Lt. U.S.A.F., is with the 815th Troop Carrier Sq. (M), APO 75, San Francisco, California. He is based at Ashiya Air Base, Japan and is flying C-119's.

Arthur D. Lewis, appliance engineer with Emerson Electric Mfg. Co., St. Louis, Missouri, has moved to 2416 Sims Avenue, Overland 14, Mo.

William M. Pulford was discharged from the Army in January and has returned to work at Bendix Radio as an Assistant Project Engi-

neer in the military communications and navigation department. His address is 23 Dunvale Rd., Towson, Md.

Radius T. Henslee is project engineer on an airfield paving job at Bunker Hill, Indiana. Rex Pinkley '33, is project manager. Henslee's address is 533 West 6th, Peru, Indiana.

J. Varanouskas has spent the past two years in overseas construction. His state-side address is 350 Richard Ave., Staten Island 9, New York. Quentin J. Schiene, who is with U. S. Steel Corp., is being transferred to Kerney, New Jersey. He will be in the research laboratory at U. S. Steel.

1953

Manfred Katz, who is with Bendix Aviation Corp., has a new address which is 1102 West 8th St., Mishawaka, Indiana. They have one son, Sheldon Dean, born in June 1953.

2nd Lt. Richard O. Holland is stationed at Nurnberg, Germany with Co. "C", 15th Eng. Bn., APO 696, New York, N. Y.

James A. Tiejens, who was recently discharged from the armed forces, has accepted a position with Titanium Pigment Division of National Lead Co., St. Louis, Mo.

Lt. Harry J. FitzGibbon, who has been stationed at Ft. Belvoir, Virginia, as instructor in The Engineer School, will be released from active duty May 2nd. His mailing address then will be 323 Clement St., DeSoto, Mo.

Gerald J. LaBouff has been in the U. S. Army, Corps of Engineers, is

due to be discharged April 30, 1955.

William C. Blackwell advises that his present address is Company "C", School Troops, Aberdeen Proving Ground, Md. He expects this address to be current until November 1955, when he expects to be separated from the armed forces.

Lawrence Edward Alburtis was mustered out of the armed forces in April. He can be reached, by mail, at 223 West Pine Street, Warrensburg, Mo.

Pfc. Harlow M. Keeser is assigned as a chemical engineering assistant in the radiochemistry section of the Pitman-Dunn Laboratories at Frankford Arsenal. His military address is 9336th T. S. U. Frankford Arsenal, Philadelphia 37, Pa.

William E. Patterson was promoted to Lt.j.g. in the U. S. Naval Reserve on January 20th. He is presently stationed at the Lago Refinery on the Island of Aruba, doing petroleum inspection work for the armed forces. His address is Box 241, Lago Colony, San Nicholas, Aruba, N. W. I. Lt. Patterson informs us that they are looking forward to being on the MSM campus on St. Pat's or Homecoming in 1957.

Donald K. Belcher is with Commercial Solvents Corps., Peoria, Illinois. His mailing address there is 909 Laura Avenue.

1st Lt. Walter R. Smith is presently stationed in Hawaii. Entered service in June 1953. His stateside address is 901 East 4th St., Kennett, Missouri.

1955

Everett J. Collier has joined the staff of E. I. du Pont de Nemours & Co., Wilmington, Delaware. He is employed in their electrochemicals research laboratory.

Edward K. Dummitt, of Stanolind Oil and Gas Co., has been named junior petroleum engineer of the company's Spindletop area producing office. His present address is P. O. Box 1712, Beaumont, Texas.

George C. Walther has accepted a position as Design & Development Engineer with the Radio Corporation of America, 415 S. 5th St., Harrison, New Jersey. His home address is 96 New England Ave., Summit, New Jersey.

MSM ALUMNI ASSOCIATION

ROLLA,

MISSOURI

TO